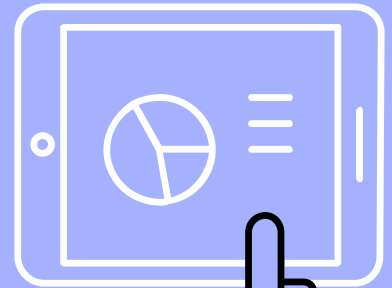
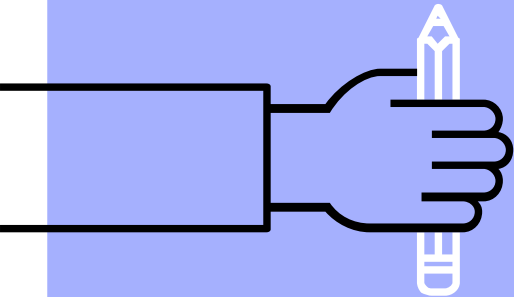
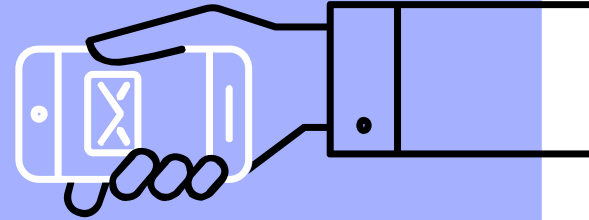
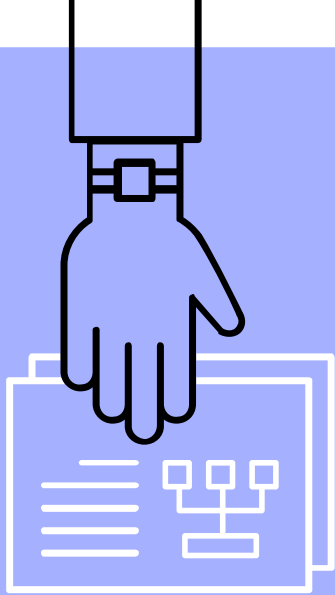


# SPM PRESENTATION

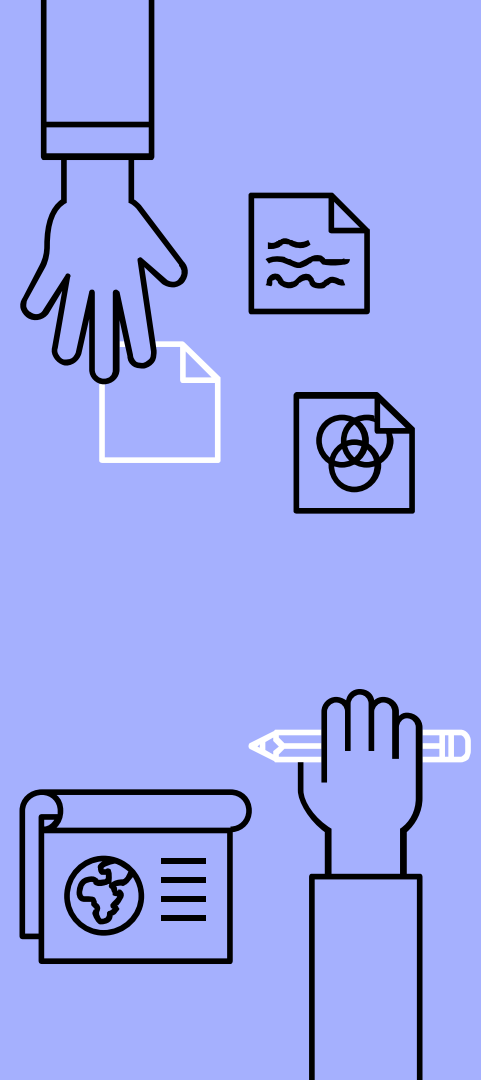
G6



# Functionalities

Do you plan to drop/add any functionalities?

- Not dropping any functionalities
- Adding quality of life improvements:
  1. An additional warning pop-up during dropping of a section to remind the student of the refundable e-cash.
  2. Able to filter courses by Date, Time, Course ID, and instructor
  3. Able to view sections of successful bids on landing page



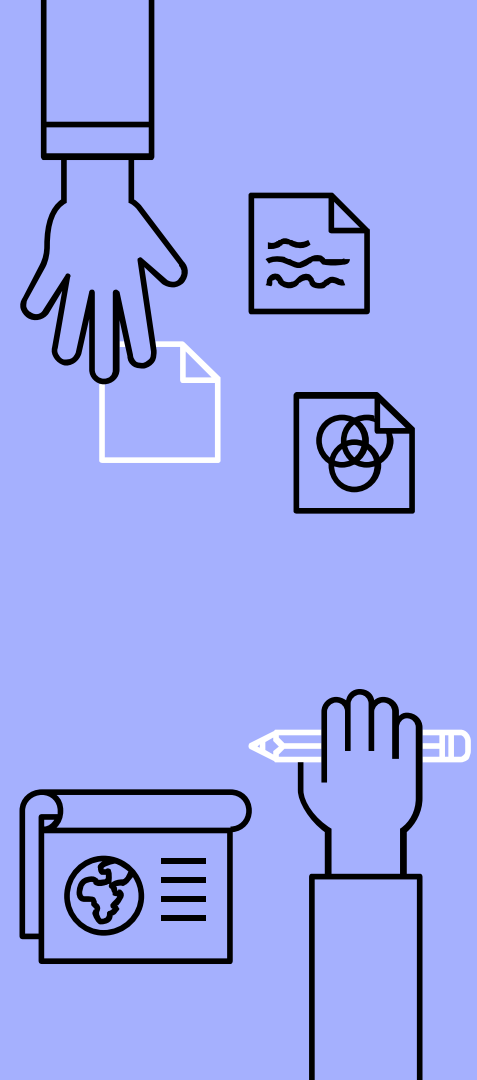
# Functionalities

Do you plan to use any PHP frameworks?

- No, planning to use PHP frameworks but bootstrap 4

Did you manage to finish login + 1 functionality?

- Yes, the functionalities are ?
  1. Login (to the Landing Page)
  2. Bid for a Section (the restrictions are not implemented. However, if they bid for a section of a particular course, that course will be removed from the bidding list)

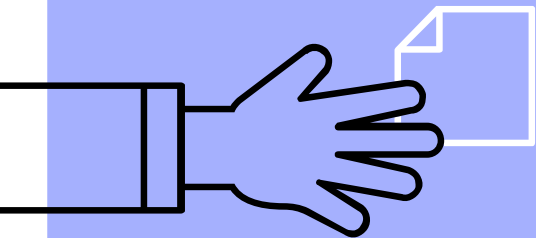
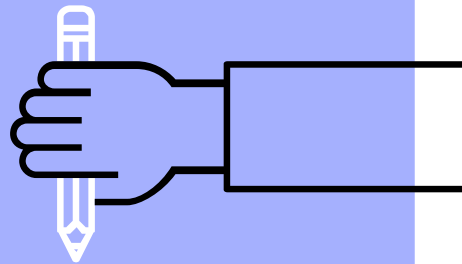


IP Address: 18.216.225.229

# SPMisgreat!

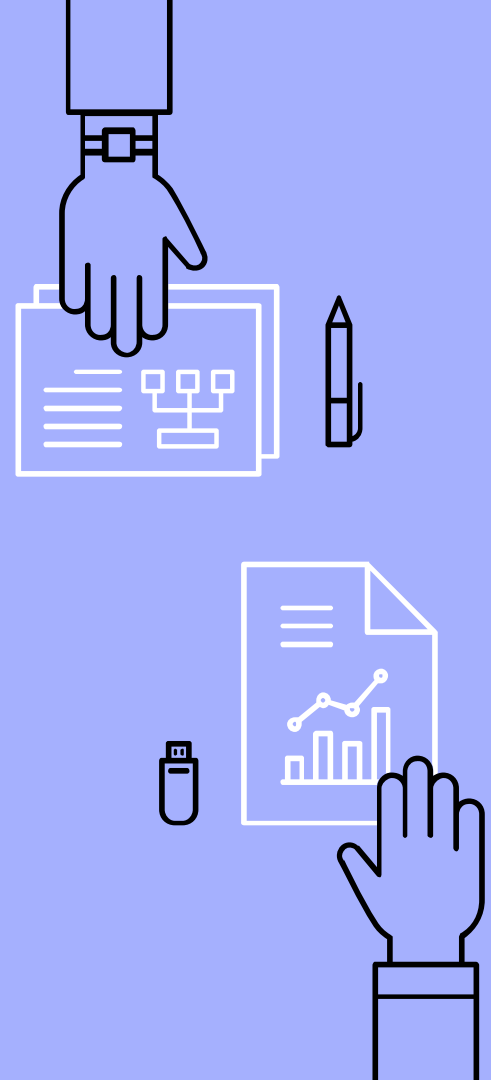
Is the admin password for our cloud deployment

# Schedule



# Schedule

- ▷ **Week 3:**
  - Team meeting to discuss job scope, project requirements
  - Brainstorming UI and site mapping
    - Trello and Google sheets
- ▷ **Week 4:**
  - Assignment of Pair Programmes
  - Review of wireframe designs and comparison against functional document (Wiki)
  - Begin coding
    - DAO and Bootstrap
    - Basic pages (Login admin page)



# Schedule

- ▷ **Week 5:**
  - Wireframe updates based on coding logic missed before
  - Code unaffected pages:
    - "User bid and pending" page
    - "Add bids" page
- ▷ **Week 6:**
  - Preparation for PM review
    - Determining the project requirements
    - Updating of wireframes for recently discovered functional cases
    - Preparing PM Review slides and content
    - Consolidating and reviewing current operational pages of the project for final preparations



# Schedule

- ▷ **Week 7, (Iteration 2) :**
  - Discuss feedback or questions of the PM review
  - Re-evaluate backend structure and code JSON APIs.
  - Next round of coding
    - Implementation of new database
    - Test all completed pages against new database (Login and Admin) bids" page
- ▷ **Week 8 (Recess Week):**
  - Finish coding the rest of the pages
    - Layout
    - Drop section
    - Landing page
    - Add bid page

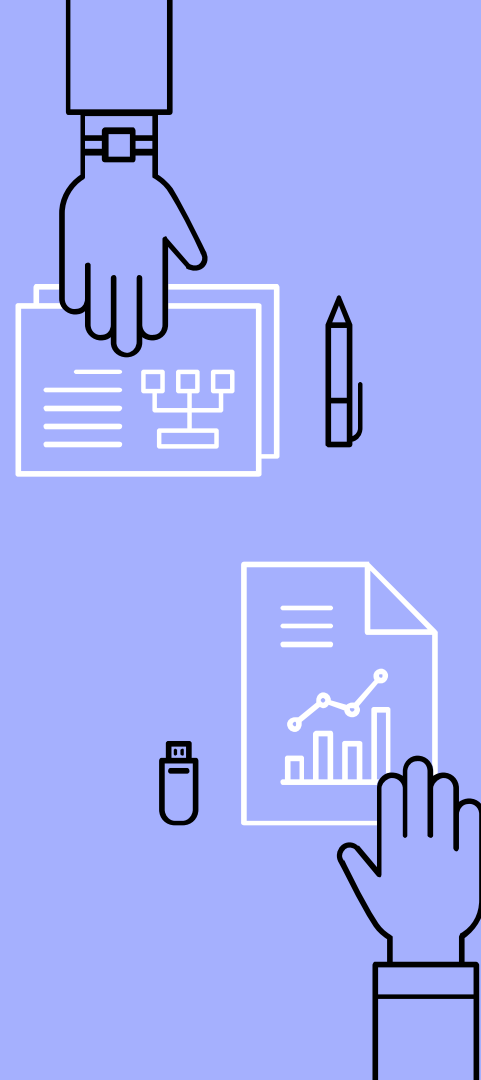




# Schedule

## ▶ Week 9

- Discuss feedback or questions of the PM review
- Re-evaluate backend structure and code JSON APIs.
- Next round of coding
  - Implementation of new database
  - Test all completed pages against new database (Login and Admin) bids" page



# Schedule

- ▶ **Week 10 (Bug fixes and functionality checks):**
  - Consolidation of all pages
    - Make sure that each page is functional in relation to the other
    - Go through bug fixes. Ones that are too difficult are added to the bug matrix
    - Implement additional functionalities on copied files for next release.



# Schedule

- ▶ **Week 11 (Iteration 4, UAT):**
  - Preparation of UAT
    - Run test cases manually
    - Run test cases automatically using JSON API
    - Time allocated for fixes
    - Consolidation of any logistics required (Laptop, Ethernet Cable... etc.)
    - Push and test any new functionalities and release to UAT



# Iteration Schedule

Iteration #	Date
0	31st August - 18th September
1	19th September - 3rd October
2	4th October - 17th October
3	18th October - 31st October
4	1st November - 14th November
5	15th November - 21st November



# Project Milestones

Iteration #	Milestones
0	Understanding of functionality and basic pages
1	PM Review
2	Application Demo and Progress Update
3	All functional coding work completed
4	UAT presentation



# Iteration breakdown

Iteration #	Details
0	<ul style="list-style-type: none"><li>• Administrative work:<ul style="list-style-type: none"><li>◦ Understanding the scope of the project</li></ul></li><li>• Scheduling<ul style="list-style-type: none"><li>◦ Understanding the structure of our product</li><li>◦ Looking at wireframes and how they link</li><li>◦ Update according to recent discussions</li></ul></li><li>• First round of coding<ul style="list-style-type: none"><li>◦ Database and Bootstrap and simple pages</li></ul></li></ul>



# Iteration breakdown (cont.)

Iteration #	Details
1	<ul style="list-style-type: none"><li>● Unplanned changes in functionality<ul style="list-style-type: none"><li>○ Update of design</li></ul></li><li>● Second round of coding</li><li>● PM review preparation</li></ul>
2	<ul style="list-style-type: none"><li>● Administrative work:<ul style="list-style-type: none"><li>○ Mid project review</li><li>○ Consolidation and synchronisation of team</li></ul></li><li>● Third round of coding (intensive)</li></ul>

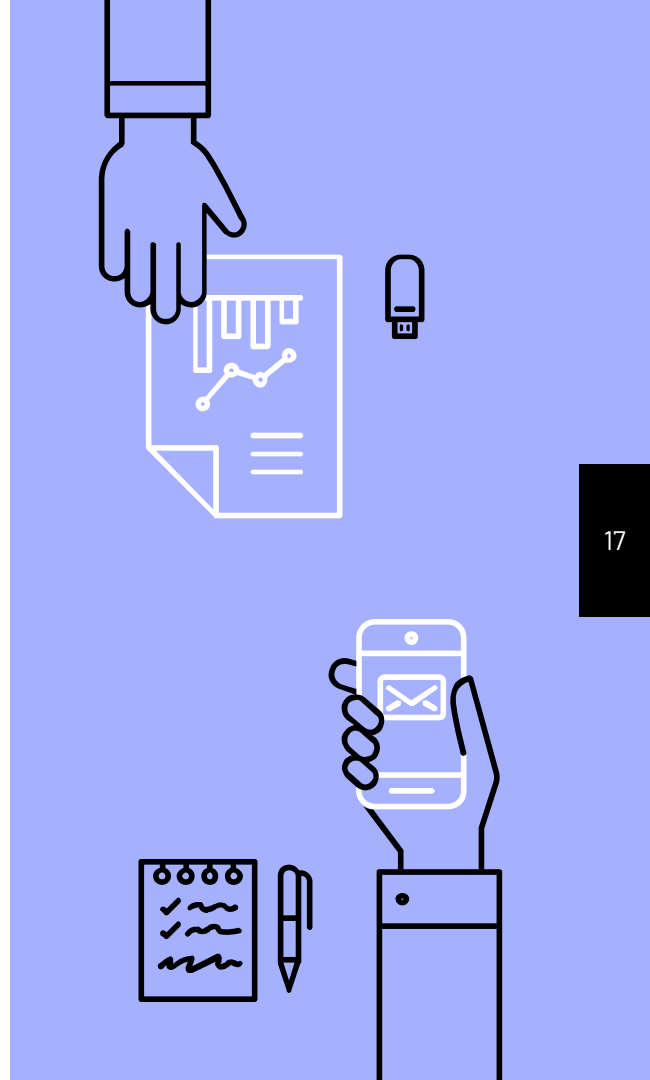
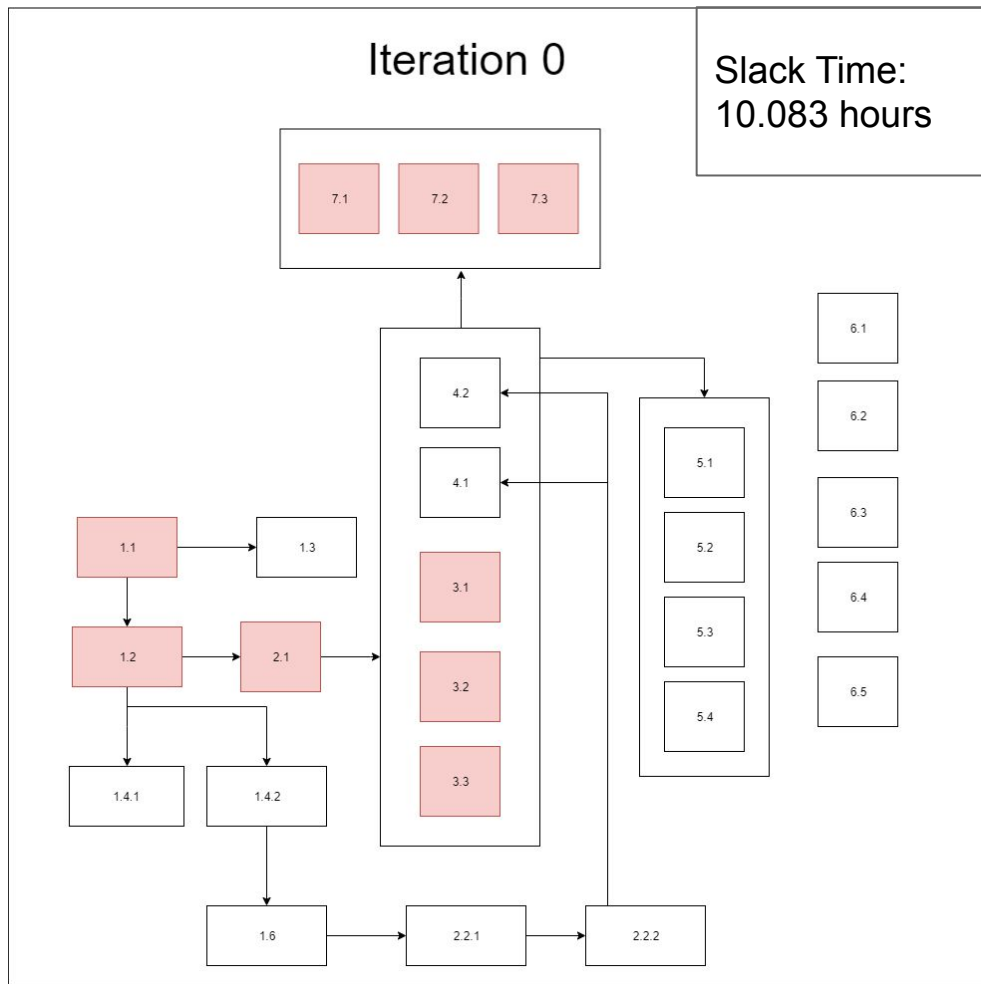


# Iteration breakdown (cont.)

Iteration #	Details
3	<ul style="list-style-type: none"><li>● Preparation for Application Demo and Progress Update</li><li>● Consolidation of pages, bug fixes</li><li>● Preparation of additional functionalities for iterations</li></ul>
4	<ul style="list-style-type: none"><li>● UAT Preparation</li></ul>

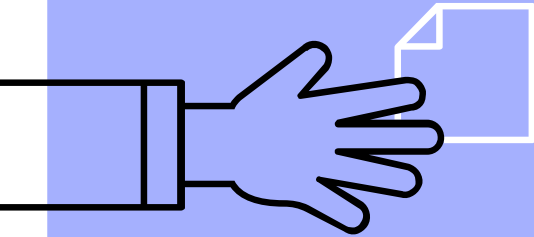
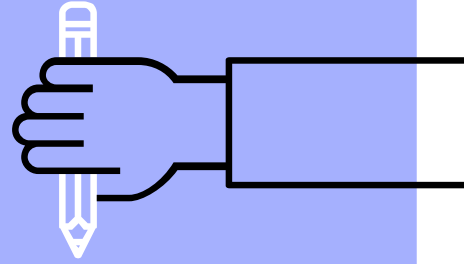








# Testcase & Bug Metric



# Testcases & Bug Metrics



**Login**



**Bootstrap Upload**

# Testcase Planning

Row	Description	Column	Result to Happen
Row 2	Delete exam date	exam date	Fail
Row 3	Alphanumeric exam date	exam date	Fail
Row 4	Date with space	exam date	Fail
Row 5	Date with extra numbers	exam date	Fail
Row 6	Incorrect Exam start 12.01	exam start	Fail
Row 7	Delete exam start	exam start	Fail
Row 8	Alphanumeric exam starts	exam start	Fail
Row 9	Edit exam starts value and re-edit back to normal	exam start	Pass

# Testcase Outcome

Input given sample data file	Pass	Pass through
Input data file with extra csv file	Pass	Pass through
Input data.zip file without Mandatory file, removal of course.csv	Output error to user that mandatory csv file is missing	System output empty blank space
Input data.zip file - Course.csv - Row 2 - <b>Exam</b> Date Column (Blank Exam Date)	Fail and output to error display message to user	PHP Error - warning: checkdate() expects parameter 3 to be integer, string given in C:\Users\User\Documents\GitHub\project-g4t6\app\include\bootstrapValidate.php on line 1292 AND A non well formed numeric value encountered in C:\Users\User\Documents\GitHub\project-g4t6\app\include\bootstrapValidate.php on line 1292
Input data.zip file - Course.csv - Row 3 - <b>Exam</b> Date Column (Alphanumeric Exam Date)	Fail and output to error display message to user	PHP Error - Fatal error: Uncaught PDOException: SQLSTATE[22007]: Invalid datetime format: 1292 Incorrect date value: '201a1118' for column 'examdate' at row 1 in C:\Users\User\Documents\GitHub\project-g4t6\app\include\CourseDAO.php on line 23 A PDOException: SQLSTATE[22007]: Invalid datetime format: 1292 Incorrect date value: '201a
Input data.zip file - Course.csv - Row 4 - <b>Exam</b> Date Column (Date with space)	Fail and output to error display message to user	PHP Error - Fatal error: Uncaught PDOException: SQLSTATE[22007]: Invalid datetime format: 1292 Incorrect date value: '2013 1 117' for column 'examdate' at row 1 in C:\Users\User\Documents\GitHub\project-g4t6\app\include\CourseDAO.php on line 23 A PDOException: SQLSTATE[22007]: Invalid datetime format: 1292 Incorrect date value: '2013
Input data.zip file - Course.csv - Row 5 - <b>Exam</b> Date Column (Date with extra numbers)	Fail and output to error display message to user	PHP Error - Fatal error: Uncaught PDOException: SQLSTATE[22007]: Invalid datetime format: 1292 Incorrect date value: '201311168' for column 'examdate' at row 1 in C:\Users\User\Documents\GitHub\project-g4t6\app\include\CourseDAO.php on line 23 A PDOException: SQLSTATE[22007]: Invalid datetime format: 1292 Incorrect date value:

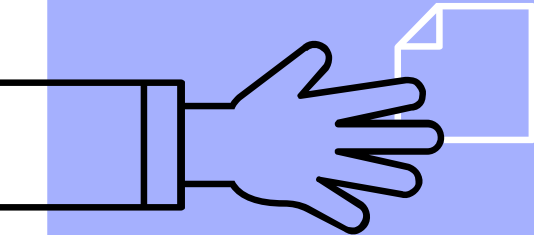
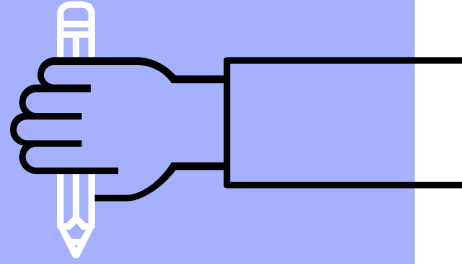
Screenshot sample

# Bug Metrics Outcome

Bootstrap (Upload)	Error at the following CSV file: Course.csv - AT Row 2 - UNDER Exam Date Column with (empty Exam Date) which a cause PHP error.	Low	1		Continue with current schedule development, Project Manager reschedule a session for bug fixing. Impact not deem as high due to initial phase and bootstrap validation is under implementing
Bootstrap (Upload)	Error at the following CSV file Course.csv - AT Row 3 - UNDER Exam Date Column with (Alphanumeric exam date) - Alphanumeric exam date will cause PHP error.	Low	1		Continue with current schedule development, Project Manager reschedule a session for bug fixing. Impact not deem as high due to initial phase and bootstrap validation is under implementing
Bootstrap (Upload)	Error at the following CSV file Course.csv - AT Row 4 - UNDER Exam Date Column with (Exam Date space) - Date with space will cause PHP error.	Low	1		Continue with current schedule development, Project Manager reschedule a session for bug fixing. Impact not deem as high due to initial phase and bootstrap validation is under implementing
Bootstrap (Upload)	Error at the following CSV file Course.csv - AT Row 5 - UNDER Exam Date Column with (Date with extra numbers) - Date with extra numbers will cause PHP error	Low	1		Continue with current schedule development, Project Manager reschedule a session for bug fixing. Impact not deem as high due to initial phase and bootstrap validation is under implementing
Bootstrap (Upload)	Error at the following CSV file Course.csv - AT Row 15 - UNDER Title Column with (empty title) - data could pass through, when field should not allow empty variables	Low	1		Continue with current schedule development, Project Manager reschedule a session for bug fixing. Impact not deem as high due to initial phase and bootstrap validation is under implementing

Screenshot sample

# Roles and Responsibilities





# Roles and Responsibilities

Iteration	Week	Project Manager
1	Week 5 to Week 6	Matthew
2	Week 7 to Week 8	Vittorio
3	Week 9 to Week 10	Da Eun
4	Week 11 to Week 12	Brendon
5	Week 13	Sheng Qin



# Pair Programming



# Pair Programming Rotation

Iteration	Week	Project Manager	Programming pairs		Date
1	Week 5 to Week 6	Matthew	Sheng Qin and Vittorio	Brendon and DaEun	15th Sep- 28th Sep
2	Week 7 to Week 8	Vittorio	Matthew and Brendon	Sheng Qin and DaEun	29th Sep- 12th Oct
3	Week 9 to Week 10	Da Eun	Sheng Qin and Brendon	Vittorio and Matthew	13th Oct - 26th Oct
4	Week 11 to Week 12	Brendon	Matthew and DaEun	Sheng Qin and Vittorio	27th Oct - 9th Nov
5	Week 13	Sheng Qin	Da Eun and Brendon	Matthew and Vittorio	10th Nov- 16th Nov

# Pair Programming Tasks

Task	Members involved	Start time	End time
Code DAO for the various tables	DaEun, Brendon	9/9/2019 12:00	9/9/2019 13:00
Code user/admin login page without bootstrap, but with reference to an imported database with sample data	DaEun, Brendon	9/9/2019 13:00	9/9/2019 13:45
Create Database	DaEun, Brendon	9/9/2019 13:45	9/9/2019 15:00
Code user bid and pending page in accordance with hard-coded information	Sheng Qin, Vittorio	10/9/2019 10:00	10/9/2019 13:00

Special thanks to all the people who made and released these awesome resources for free:

- ▶ Presentation template by [SlidesCarnival](https://slidescarnival.com/)
- ▶ Photographs by [Unsplash](https://unsplash.com/)



Thank you!

